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Plant Characteristics Tables

The physical and environmental characteristics for a number of landscape plants are given here. Unless otherwise noted, plants on this list are hardy in Central Indiana, tolerant of the built environment, easily maintained, and commercially available. Other suitable plants may be commercially available as new cultivars are developed.

The tables are arranged by plant size (largest to smallest), and they specify the following characteristics:

- Evergreen Plant – useful if you want year-round interest or if you need a screen to block a view.
- Average Spread – denotes the average diameter of a plant's foliage so that you will have some idea of the mature size of a plant.
- Growth Rate – denotes the speed at which a plant will grow given typical growing conditions. (Slow = 12" or less in one year. Moderate = 12"-24" in one year. Fast = more than 24" in one year.)
- Density – denotes how easy it is to see through a plant's foliage.
- Form – denotes the shape of the plant's foliage and limbs.
- Sunlight Requirement – denotes the amount of sunlight required by a plant.
- Soil Moisture Requirement – denotes the amount of soil moisture required by a plant. (Wet = 9"-12" of water available in the soil. Moderate = 6"-9" of water available in the soil. Dry = 3"-6" of water available in the soil.)
- Comments – lists any special attributes and/or requirements for a plant. It also lists available and proven cultivars.

Plant Characteristics

Large Trees (Over 40 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Acer platanoides</i> Norway Maple	N	30' to 40'	Moderate	Dense	Rounded	Partial shade to full sun	Moderate	Dense canopy makes it difficult to establish turfgrass or ground covers underneath. Maples tend to produce surface roots.
<i>Acer Rubrum</i> Red or Swamp Maple	N	40' to 50'	Moderate	Dense	Oval	Partial shade to full sun	Moderate	Good cultivars for Westfield include “October Glory” and “Red Sunset”
<i>Acer Saccharum</i> Sugar Maple	N	50' to 60'	Moderate	Dense	Rounded	Partial shade to full sun	Moderate	Dense canopy makes it difficult to maintain turfgrass. Intolerant of deicing salts. Produces surface roots.
<i>Catalpa Speciosa</i> Northern Catalpa	N	20' to 40'	Moderate	Dense	Rounded	Partial shade to full sun	Moderate	Showy white flower in early summer. Better for large scale situations because of leaf and fruit litter.
<i>Celtis laevigata</i> Sugar Hackberry	N	50' to 60'	Moderate	Moderate	Rounded	Full sun	Moderate to wet	Adapts well to adverse conditions (hot and cold temperatures, dry and alkaline soils). Smaller leaves than <i>C. occidentalis</i> . Adapted to wet sites.
<i>Celtis occidentalis</i> Common Hackberry	N	50' to 60'	Moderate	Moderate	Rounded	Full sun	Moderate	Adapts well to adverse conditions (hot and cold temperatures, dry and alkaline soils). Leaf galls are common but do not damage plant.

Large Trees (Over 40 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Cercidiphyllum japonicum</i> Katsura Tree	N	30' to 50'	Moderate	Moderate	Oval to Columnar	Partial shade to full sun	Moderate	Foliage is reddish purple. In fall, the leaves change to apricot-yellow.
<i>Chamaecyparis pisifera</i> Sawara False Cypress	Y	10' to 20'	Slow To Moderate	Very Dense	Pyramidal	Full sun	Moderate	Protect from wind.
<i>Fagus spp.</i> Beech	N	35' to 45'	Slow	Dense to Moderate	Rounded	Full sun	Moderate	Intolerant of soil disturbance and compaction.
<i>Fraxinus americana</i> White Ash	N	40' to 60'	Fast	Dense	Oval to Rounded	Full sun	Moderate	Dark green foliage that turns yellowish in autumn with a slight purple tint.
<i>Fraxinus Quadrangulata</i> Blue Ash	N	30' to 40'	Fast	Dense	Oval to Upright	Full sun	Moderate	Dark green foliage that turns a clear yellow in autumn.
<i>Fraxinus pennsylvanica</i> Green Ash	N	30' to 40'	Fast	Dense	Oval to Upright	Full sun	Moderate	Dark green foliage that turns a clear yellow in autumn.
<i>Ginkgo biloba</i> Ginkgo or Maidenhair Tree	N	30' to 50'	Slow	Moderate	Pyramidal To Rounded	Full sun	Moderate	Beautiful yellow fall color. Select only male cultivars.
<i>Gleditsia triacanthos</i> Honeylocust	N	30' to 40'	Fast	Light	Oval	Full sun	Moderate	Light shade of small leaves enables grass to grow beneath.
<i>Gymnocladus dioicus</i> Kentucky coffeetree	N	40' to 50'	Moderate	Moderate	Oval	Full sun	Moderate	Attractive bark. Better for large scale situations because of fruit litter.

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Large Trees (Over 40 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Larix spp.</i> Larch	N	25' to 30'	Moderate	Moderate	Pyramidal	Full sun	Moderate	Needle-like foliage turns yellow and falls off in autumn. Susceptible to pests.
<i>Liquidambar styraciflua</i> Sweet Gum	N	40' to 50'	Moderate	Moderate	Pyramidal to Oval	Full sun	Moderate	Star-shaped foliage turns yellow to red to bronze in autumn. Fruit can be a safety hazard.
<i>Liriodendron tulipifera</i> Tulip Tree or Yellow Poplar	N	35' to 50'	Moderate to Fast	Moderate	Oval	Full sun	Moderate	Yellow, green and orange tulip-shaped flowers bloom in mid-spring.
<i>Nyssa sylvatica</i> Sour Gum or Black Gum	N	20' to 30'	Slow to Moderate	Dense	Pyramidal to Oval	Full sun	Wet to Moderate	Beautiful and consistent fall color: yellow to orange to scarlet to purple.
<i>Picea abies</i> Norway Spruce	Y	25' to 30'	Fast	Dense	Pyramidal	Full sun	Moderate	
<i>Platanus occidentalis</i> American planetree or Sycamore	N	60' to 80'	Fast	Dense	Oval to Rounded	Full sun	Moderate	Best for large scale or wet situations. Produces lots of leaf litter.
<i>Pseudotsuga mensiezi</i> Douglas Fir	Y	12' to 20'	Moderate	Very Dense	Pyramidal	Full sun	Moderate	
<i>Quercus alba</i> White Oak	N	40' to 60'	Slow	Dense	Rounded	Full sun	Moderate	

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Large Trees (Over 40 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Quercus imbricaria</i> Shingle Oak	N	40' to 60'	Slow	Dense	Oval to Rounded	Full sun	Moderate	
<i>Quercus macrocarpa</i> Bur Oak	N	40' to 60'	Slow	Dense	Oval to Rounded	Full sun	Moderate	Huge tree at maturity.
<i>Quercus montana</i> Chestnut Oak	N	40' to 60'	Slow	Dense	Oval to Rounded	Full sun	Moderate	
<i>Taxodium distichum</i> Baldcypress	N	20' to 30'	Moderate	Moderate	Pyramidal	Full sun	Moderate to Dry	
<i>Tilia americana</i> Basswood or American Linden	N	40' to 60'	Moderate	Dense	Oval	Full sun	Moderate	Sometimes infested with aphids which drop sap on cars.
<i>Tilia tomentosa</i> Silver Linden	N	30' to 50'	Moderate	Dense	Oval to Rounded	Full sun	Moderate	
<i>Zelkova serrata</i> Japanese zelkova	N	40' to 70'	Moderate	Moderate	Vase- shaped	Full sun	Moderate	

Medium Trees (26 to 50 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Abies concolor</i> White Fir	Y	15' to 30'	Slow	Very Dense	Pyramidal	Partial shade to Full sun	Moderate	Needles are bluish or grayish green. Best in large areas to allow plant development.
<i>Acer campestre</i> Hedge Maple	N	25' to 35'	Slow	Dense	Rounded	Partial shade to Full sun	Moderate	
<i>Aesculus x carnea</i> Red Horse Chestnut	N	30' to 40'	Moderate	Dense	Rounded	Full sun	Moderate	Dark green foliage with pink/red flowers in late spring.
<i>Aesculus glabra</i> Ohio Buckeye	N	20' to 30'	Slow to Moderate	Dense	Oval to Rounded	Full sun	Moderate	Subject to leaf spot diseases with a wet spring.
<i>Aesculus hippocastanum</i> Common Horse Chestnut	N	40' to 70'	Moderate	Dense	Rounded	Partial shade to full sun	Moderate	Dark green foliage with white flowers in mid spring

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<i>Betula nigra</i> River Birch	N	40' to 60'	Moderate	Moderate	Oval to Rounded	Partial shade to full sun	Wet to moderate	Reddish brown to pale tan bark that peels off in thin layers; single stem or clump
<i>Carpinus betulus</i> European hornbeam	N	20' to 30'	Slow	Dense	Rounded	Partial shade to full sun	Moderate	Orange to deep red fall foliage.
<i>Carpinus caroliniana</i> American hornbeam or Ironwood	N	20' to 30'	Slow	Dense	Rounded	Partial shade to full sun	Moderate	Orange to deep red fall foliage.
<i>Chamaecyparis lawsoiana</i> Lawson False Cypress	Y	10' to 25'	Slow to Moderate	Very Dense	Pyramidal	Full sun	Moderate	Protect from sweeping winds.

Medium Trees (26 to 50 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Chamaecyparis obtusa</i> Hinoki False Cypress	Y	10' to 20'	Slow	Very Dense	Pyramidal	Full sun	Moderate	Protect from sweeping winds.
<i>Chionanthus virginicus</i> Fringetree	N	12' to 20'	Slow	Moderate	Spreading	Partial shade to full sun	Wet to moderate	White, fringe-like flowers in spring.
<i>Cladrasis lutea (kentukea)</i> Yellowwood	N	40' to 50'	Moderate	Dense	Vase- shaped	Full sun	Moderate	White, fragrant flowers in June.

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<i>Diospyros virginiana</i> Common Persimmon	N	20' to 30'	Slow to Moderate	Dense	Oval	Full sun	Moderate	Fruits edible but messy.
<i>Koelreuteria paniculata</i> Golden Rain Tree	N	30' to 40'	Slow to Moderate	Dense	Rounded	Full sun	Moderate	Yellow flowers in 8-14" clusters in summer.
<i>Maackia amurensis</i> Amur maackia	N	20' to 30'	Slow to Moderate	Dense	Rounded	Full sun	Moderate	Shiny copper brown bark, peeling with maturity.
<i>Ostrya virginiana</i> Hop Hornbeam or Ironwood	N	20' to 35'	Slow to Moderate	Dense	Oval	Partial shade to Full sun	Moderate	Medium to dark green foliage turns yellow in autumn. Bark attractive year round.
<i>Phellodendron amurense</i> Amur Corktree	N	30' to 45'	Moderate	Moderate	Spreading to Irregular	Full sun	Moderate	Attractive "corky" bark. Open, picturesque branching habit.
<i>Picea omorika</i> Serbian Spruce	Y	20' to 25'	Slow	Very Dense	Pyramidal	Full sun	Moderate	Narrow pyramidal canopy with dark green and light green needles.

Medium Trees (26 to 50 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Picea pungens</i> Colorado Spruce	Y	20' to 25'	Slow	Very Dense	Pyramidal	Full sun	Moderate	Gray-green to blue-green foliage.
<i>Pinus sylvestris</i> Scotch Pine	Y	30' to 40'	Moderate	Moderate	Pyramidal	Full sun	Moderate	
<i>Pyrus Calleryana</i> Callery Pear	N	20' to 35'	Fast	Dense	Oval	Full sun	Moderate	Avoid "Bradford" due to structural flaws. Consider "Aristocrat" or "Cleveland"
<i>Sophora japonica</i> Japanese Pagoda or Chinese Scholar	N	40' to 60'	Moderate	Moderate	Rounded	Full sun	Moderate	
<i>Tsuga canadensis</i> Canada hemlock	Y	25' to 35'	Moderate	Very Dense	Pyramidal	Partial shade to full sun	Moderate	Protect from sweeping winds.
<i>Ulmus parvifolia</i> Lacebark Elm	N	40'	Moderate	Moderate	Rounded	Full sun	Moderate	Beautiful mottled bark.

Small Trees (13 to 25 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Acer ginnala</i> Amur Maple	N	15' to 25'	Slow	Dense	Rounded	Partial shade to Full sun	Moderate	Single stem or clump. Fragrant spring flowers. Scarlet fall foliage.
<i>Acer palmatum</i> Japanese Maple	N	15' to 25'	Slow	Dense	Rounded to Spreading	Partial shade to Full sun	Moderate	Protect from full sun and wind.
<i>Acer Tataricum</i> Tatarian Maple	N	30' to 35'	Slow	Dense	Rounded	Partial shade to Full sun	Moderate	
<i>Alnus glutinosa</i> European or Black Alder	N	20' to 30'	Moderate	Dense	Oval to Pyramidal	Full sun	Wet to Moderate	
<i>Amelanchier sp.</i> Serviceberry, Juneberry or Shadblow	N	15' to 30'	Moderate	Moderate	Rounded to Spreading	Full sun to partial shade	Moderate	Single stem or clump. Orange to red fall foliage.
<i>Cercis canadensis</i> Eastern Redbud	N	25' to 35'	Slow to Moderate	Moderate	Rounded to Irregular	Partial shade to Full sun	Moderate	Pink flowers in April. Good clear yellow fall foliage.
<i>Cornus florida</i> Flowering Dogwood	N	30' to 40'	Slow to Moderate	Dense	Rounded to Irregular	Partial shade	Moderate	Beautiful white/pink red flowers in spring. Does not tolerate dry, exposed, and sunny conditions. Plant in a partially shaded and protected area, and mulch around trunk.

Small Trees (13 to 25 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Cotinus coggygia</i> Smoke Tree	N	10' to 15'	Slow	Dense	Rounded	Full sun	Moderate	Red to purple fall foliage. Weak-wooded. Plant where protected from wind.
<i>Crataegus crus- galli</i> Cockspur Hawthorn	N	20' to 35'	Slow to Moderate	Moderate	Rounded to Spreading	Full sun	Moderate to Dry	Thorns may present a hazard.
<i>Crataegus phaenopyrum</i> Washington Hawthorn	N	20' to 25'	Slow	Moderate	Rounded	Full sun	Moderate to Dry	Thorns may present a hazard.
<i>Crataegus viridis</i> Green Hawthorn	N	20' to 35'	Slow to Moderate	Moderate	Rounded	Full sun	Moderate to Dry	Thorns may present a hazard.
<i>Magnolia x loebneri</i> Loebner Magnolia	N	25' to 35'	Moderate	Moderate	Irregular	Full sun	Moderate	Large, fragrant white flowers in spring.
<i>Magnolia x soulangiana</i> Saucer Magnolia	N	20' to 30'	Moderate	Moderate	Irregular	Full sun	Moderate	Large, fragrant white to pink flowers in spring.
<i>Magnolia stellata</i> Star Magnolia	N	10' to 15'	Moderate	Moderate	Irregular	Full sun	Moderate	Large, fragrant white flowers in spring.

Small Trees (13 to 25 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Malus cultivars</i> Crabapple	N	15' to 25'	Slow to Moderate	Dense	Rounded	Full sun	Moderate	Choose disease-resistant varieties.
<i>Malus sargentii</i> Sargent Crabapple	N	6' to 8'	Slow to Moderate	Dense	Rounded	Full sun	Moderate	<u>Very</u> small tree. Height rarely exceeds 8'.
<i>Prunus x blireiana</i> Purple-leaved Plum	N	15' to 20'	Slow to Moderate	Dense	Rounded	Full sun	Moderate	Susceptible to Japanese beetles and other pests.
<i>Prunus serrulata</i> Japanese Flowering Cherry	N	15' to 20'	Slow to Moderate	Dense	Rounded	Full sun	Moderate	Susceptible to Japanese beetles, borers, and other diseases.
<i>Syringa reticulata</i> Japanese Tree Lilac	N	15' to 25'	Slow	Dense	Rounded to Oval	Full sun	Moderate	Large, lilac-shaped flowers in July. Cherry-like bark.

Large Shrubs (Over 13 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Hamamelis</i> spp. And cultivars Witchhazel	N	15' to 20'	Slow to Moderate	Dense	Rounded	Partial shade to full sun	Moderate	Unusual flowers in February or October. Orange to scarlet fall foliage.
<i>Viburnum lantana</i> Wayfaring Tree	N	10' to 15'	Slow to Moderate	Dense	Rounded to Oval	Full sun	Moderate to Dry	White flowers in May. Red fruits in summer. Little fall color.
<i>Viburnum prunifolium</i> Black Haw	N	8' to 12'	Slow to Moderate	Dense	Rounded to Oval	Partial shade to full sun	Moderate	Plant for which the “Hawpatch” area was named. Single stem or clump form.
<i>Viburnum sieboldii</i> Siebold Viburnum	N	10' to 15'	Moderate	Dense	Rounded to Oval	Partial shade to full sun	Moderate	White flowers in spring. Red fruits in summer.
<i>Juniperus communis</i> Common Juniper	Y	8' to 12'	Slow	Very Dense	Spreading to Columnar	Full sun	Moderate to Dry	
<i>Juniperus scopulorum</i> Rocky Mountain Juniper or Western Red Cedar	Y	8' to 15'	Slow	Dense	Pyramidal	Full sun	Moderate to Dry	
<i>Lindera benzoin</i> Spicebush	N	6' to 12'	Slow to Medium	Moderate	Upright to Rounded	Full to partial shade	Moderate to Wet	Small, extremely fragrant flowers in April. Yellow fall foliage.
<i>Taxus cuspidata</i> Japanese Yew	Y	15' to 50'	Slow	Very Dense	Pyramidal to Rounded	Partial Shade	Moderate	
<i>Taxus x media</i> Anglo-Japanese Yew	Y	15' to 30'	Slow	Very Dense	Rounded to Spreading	Partial Shade	Moderate	

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Large Shrubs (Over 13 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Thuja occidentalis</i> American or Eastern Arborvitae, White Cedar	Y	10' to 15'	Slow	Very Dense	Pyramidal	Full sun	Moderate	Use “Emerald”, “Techny” or “Holmstrup” to limit height without trimming

Medium Shrubs (6½ to 12 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Acanthopanax sieboldianus</i> Fiveleaf Aralia	N	8' to 10'	Slow to Moderate	Dense	Rounded to Spreading	Full shade to full sun	Moderate to Dry	Greenish-white flowers in June and July. Black berries.
<i>Calycanthus Floridus</i> Sweetshrub	N	6' to 12'	Slow to Moderate	Dense	Rounded to Spreading	Partial shade to full sun	Moderate	Red-brown, extremely fragrant flowers throughout summer.
<i>Cornus alba</i> Tatarian Dogwood	N	5' to 10'	Fast	Dense	Upright to Rounded	Partial shade to full sun	Moderate	White flowers May-June.
<i>Cornus mas</i> Cornelian Cherry	N	15' to 20'	Slow	Dense	Rounded	Full sun	Moderate	Small yellow flowers February-March. Large red berries.
<i>Cornus racemosa</i> Grey Dogwood	N	6' to 8'	Moderate to Fast	Dense	Rounded to Spreading	Partial shade to full sun	Moderate	White flowers May-June. Purple fall foliage.
<i>Cornus sericea</i> Red Osier Dogwood	N	10' to 15'	Fast	Dense	Rounded to Spreading	Partial shade to full sun	Moderate	White flowers May-June. Orange to purple fall foliage. Bright red twigs.
<i>Elaeagnus umbellata</i> Autumn Olive	N	12' to 18'	Moderate to Fast	Dense	Spreading	Full sun	Moderate to Dry	Best for sites where nothing else will grow. Can become invasive.
<i>Euonymus alatus</i> Burning Bush	N	15' to 20'	Slow	Dense	Rounded to Spreading	Partial shade to full sun	Moderate	Subject to spider mites when plant is adjacent to asphalt. Compactus" is slow-growing cultivar.
<i>Forsythia x intermedia</i> Border Forsythia	N	10' to 12'	Fast	Moderate	Upright to Spreading	Partial shade to full sun	Moderate	Yellow flowers in spring.

Medium Shrubs (6½ to 12 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Hamamelis vernalis</i> Vernal Witchhazel	N	8' to 12'	Moderate	Moderate	Rounded to Spreading	Partial Shade to full sun	Moderate	Yellow-red flowers February. Yellow fall foliage.
<i>Hibiscus syriacus</i> Rose-of-Sharon	N	8' to 15'	Moderate	Moderate	Upright	Full sun	Moderate	Susceptible to Japanese beetles and other diseases.
<i>Hydrangea quercifolia</i> Oak Leaf Hydrangea	N	4' to 8'	Slow to Moderate	Moderate	Upright to Irregular	Full shade to full sun	Wet to Moderate	White flowers June-July. Orange, red, or purple fall foliage.
<i>Ilex verticillata</i> Winterberry	N	6' to 10'	Slow to Moderate	Dense	Rounded	Partial shade to full sun	Wet to Moderate	Very high wildlife value. Numerous species eat the fruit.
<i>Kolkwitzia amabilis</i> Beautybush	N	9' to 12'	Moderate to Fast	Dense	Upright to Rounded	Full sun	Moderate	Pink flowers May-June. Pinkish brown fruit.
<i>Philadelphus coronarius</i> Sweet Mockorange	N	10' to 12'	Fast	Dense	Rounded	Partial shade to full sun	Moderate	White, extremely fragrant flowers May-June.
<i>Prunus x cistena</i> Purpleleaf Sand Cherry	N	10' to 15'	Moderate	Dense	Rounded	Full sun	Moderate	Susceptible to Japanese beetles.
<i>Spirea prunifolia</i> Bridalwreath Spirea	N	6' to 8'	Fast	Moderate	Upright to Spreading	Full sun	Moderate	White flowers in early summer.
<i>Syringa vulgaris</i> Common Lilac	N	10' to 20'	Moderate	Moderate	Upright to Spreading	Full sun	Moderate	Susceptible to borers and mildew.

Medium Shrubs (6½ to 12 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Viburnum x burkwoodii</i> Burkwood Viburnum	N	5' to 7'	Slow to Moderate	Dense	Rounded	Full shade to full sun	Moderate	Susceptible to Japanese beetles. White, fragrant flowers in spring. Red fruit.
<i>Viburnum dentatum</i> Arrowwood	N	8' to 10'	Slow to Moderate	Dense	Rounded to Spreading	Full shade to full sun	Moderate	White flowers May-June. Blue-black berries. Purple fall foliage.
<i>Viburnum dilatatum</i> Linden Viburnum	N	6' to 10'	Slow to Moderate	Dense	Upright to Rounded	Partial shade to full sun	Moderate	White flowers May. Red fruit. Yellow, orange, red fall foliage.
<i>Viburnum farreri</i> Fragrant Viburnum	N	8' to 12'	Moderate	Dense	Upright to Irregular	Full sun	Moderate	White, fragrant flowers April. Yellow fruit.
<i>Viburnum x juddii</i> Judd Viburnum	N	6' to 8'	Slow to Moderate	Dense	Rounded	Partial shade to full sun	Moderate	White flowers. Red fruit.
<i>Viburnum opulus</i> European Cranberry Bush	N	10' to 15'	Moderate	Dense	Upright to Rounded	Partial shade to full sun	Moderate	White flowers. Red fruit.
<i>Viburnum plicatum</i> Doublefile Viburnum	N	9' to 12'	Moderate	Dense	Upright to Rounded	Partial shade to full sun	Moderate	White flowers in spring. Red to black fruit. Purple red fall foliage.
<i>Viburnum x rhtidophylloides</i> Lantanaphyllum Viburnum	N	8' to 10'	Moderate	Moderate	Upright to Rounded	Partial shade	Moderate	“Willowwood” White flowers May. Red to black fruit. Purple fall foliage.

Small Shrubs (3 to 6 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Abelia x grandiflora</i> Glossy Abelia	N	3' to 4'	Moderate	Moderate	Rounded	Partial shade to full sun	Moderate	"Sherwood" is a serviceable dwarf cultivar. White flowers July-October.
<i>Abeliophyllum distichum</i> White Forsythia	N	3' to 4'	Moderate	Moderate	Rounded to Irregular	Partial shade to full sun	Moderate	White flowers March-April.
<i>Berberis thunbergii</i> Japanese Barberry	N	4' to 7'	Moderate	Moderate	Rounded to Spreading	Full sun	Moderate	Good barrier plant; however, thorniness makes clean up difficult. Traps leaves and litter.
<i>Buddleia davidii</i> Orange-eye Butterfly Bush	N	5' to 10'	Fast	Moderate	Upright to Spreading	Partial shade to full sun	Moderate	May be killed to the ground during very cold winters. It will, however, return in the spring.
<i>Callicarpa japonica</i> Japanese Beautyberry	N	4' to 6'	Fast	Moderate	Rounded to Spreading	Partial shade to full sun	Moderate	Pink-white flowers July. Violet fruit. <i>C. americana</i> is native species.
<i>Caryopteris x clandonensis</i> Bluebeard	N	3' to 5'	Fast	Moderate	Rounded	Full sun	Moderate to Dry	May be susceptible to winter dieback in severe winters. Blue flowers late summer.
<i>Chaenomeles speciosa</i> Flowering Quince	N	3' to 5'	Fast	Moderate	Rounded to Spreading	Full sun	Moderate	White, pink, or scarlet flowers early spring. Large yellow-green fruit.
<i>Daphne x burkwoodii</i> Burkwood Daphne	Y	2' to 4'	Slow	Dense	Rounded	Partial shade to full sun	Moderate to Dry	"Carol Mackie" is variegated with pink flowers in May.

Small Shrubs (3 to 6 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Deutzia Gracilis</i> Slender deutzia	N	5' to 7'	Slow to Medium	Dense	Rounded	Partial shade to full sun	Moderate	Pure white flowers May-June. Burgundy fall foliage.
<i>Ilex x meserveae</i> Meserveae Holly	Y	5' to 15'	Moderate	Dense	Rounded to Upright	Partial shade to full sun	Moderate	Bluish green foliage. Red fruits on female plants.
<i>Kerria japonica</i> Japanese Kerria	N	6' to 9'	Moderate	Dense	Rounded to Spreading	Partial shade to full sun	Moderate	Yellow flowers May. Yellow- green stems.
<i>Ligustrum obtusifolium</i> Border Privet	N	5' to 8'	Fast	Dense	Spreading	Partial shade to full sun	Moderate	White flowers April. Small blue-black fruit. Purplish fall foliage.
<i>Ligustrum x vicaryi</i> Golden Privet	N	5' to 8'	Fast	Dense	Spreading	Partial shade to full sun	Moderate	White flowers April. Small blue-black fruit. Purplish fall foliage.
<i>Myrica pensylvanica</i> Bayberry	N	5' to 12'	Moderate	Dense	Upright to Rounded	Partial shade to Full Sun	Moderate to Dry	Tolerates road salt.
<i>Picea glauca</i> 'conica' Dwarf Alberta Spruce	Y	3' to 5'	Slow	Very Dense	Pyramidal	Full sun	Moderate	
<i>Pinus mugo</i> Mugho Pine	Y	4' to 6'	Slow	Very Dense	Rounded to Spreading	Full sun	Moderate to Dry	Susceptible to mites and scale.
<i>Prunus glandulosa</i> Dwarf Flowering Almond	N	2' to 5'	Moderate	Open to Dense	Rounded	Full sun	Moderate to Dry	Pink flowers early spring.

Small Shrubs (3 to 6 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Rhododendron</i> <i>PJM</i> <i>hybrids</i> PJM Rhododendrons	Y	3' to 5'	Moderate	Moderate	Rounded	Partial shade	Moderate	Scarlet-purple flowers in April.
<i>Rhodotypos</i> <i>scandens</i> Jetbead	N	4' to 9'	Moderate to Fast	Dense	Rounded to Spreading	Partial shade to full sun	Moderate	White flowers in spring. Black fruit.
<i>Rhus aromatica</i> 'Gro Lo' Gro Lo Fragrant Sumac	N	6' to 10'	Slow to Moderate	Dense	Spreading to Irregular	Full sun	Moderate	Reliably low growing and maintenance free. Bronze-orange purple fall foliage.
<i>Syringa patula</i> Miss Kim Lilac	N	8' to 12'	Moderate	Dense	Rounded to Upright	Full sun	Moderate	Fragrant lilac flowers May-June. Mauve-purple fall foliage.
<i>Taxus canadensis</i> Canada Yews	Y	3' to 5'	Slow	Dense	Rounded to Spreading	Partial shade to Full Sun	Moderate	
<i>Thuja occidentalis</i> "Woodwardi" Globe Arborvitae	Y	3' to 5'	Slow	Dense	Rounded	Full sun to Partial Shade	Moderate	
<i>Viburnum opulus</i> "Nanum" Dwarf Cranberrybush	N	3' to 5'	Moderate	Dense	Rounded	Partial shade to full sun	Moderate	White flowers May. Red fruit.

Small Shrubs (3 to 6 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Vitex agnus-castus</i> Chaste Tree	N	3' to 5'	Fast	Moderate	Upright	Partial shade to full sun	Moderate	Grows tree-sized in the south. Our winter, however, keeps the plant shrub-sized. Large, fragrant, lilac flowers in summer.
<i>Weigela florida</i> Old-Fashioned Weigela	N	9' to 12'	Slow to Moderate	Dense	Rounded to Spreading	Partial shade to full sun	Moderate	Deep rose pink flowers May-June. Needs pruning to remain attractive.

Dwarf Shrubs (Under 3 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Buxus microphylla</i> Littleleaf Boxwood	Y	3' to 4'	Slow	Very Dense	Rounded	Partial shade to full sun	Moderate	
<i>Chamaecyparis obtus</i> "Nana" Hinoki False Cypress	Y	3' to 4'	Slow	Very Dense	Rounded	Partial shade to full sun	Moderate	Protect from the wind.
<i>Cotoneaster apiculatus</i> Cranberry Cotoneaster	N	3' to 6'	Slow to Moderate	Moderate	Spreading	Full sun	Moderate	Light pink flowers in spring. Large red berries. Orange to scarlet fall foliage.
<i>Cotoneaster horizontalis</i> Rockspray Cotoneaster	N	5' to 8'	Slow to Moderate	Moderate	Spreading	Full sun	Moderate	Light pink flowers in spring. Large red berries. Orange to scarlet fall foliage.
<i>Fothergilla gardenii</i> Dwarf Fothergilla	N	3' to 4'	Slow	Moderate	Rounded	Partial shade to full sun	Moderate	Cream colored flowers in April. Yellow, orange, and crimson fall foliage.
<i>Ilex glabra</i> "Compacta" Compact Inkberry Holly	Y	4' to 6'	Slow	Very Dense	Spreading	Partial shade to full sun	Moderate	
<i>Juniperus chinensis</i> "Pfitzerana Compacta" Nick's Compact Juniper	Y	6' to 10'	Slow to Moderate	Very Dense	Spreading	Full sun	Moderate to dry	

Dwarf Shrubs (Under 3 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Juniperus chinensis</i> "San Jose" San Jose Juniper	Y	6' to 8'	Slow to Moderate	Very Dense	Spreading	Full sun	Moderate to dry	
<i>Juniperus communis</i> Common Juniper	Y	4' to 6'	Slow	Very Dense	Spreading	Full sun	Moderate to dry	
<i>Juniperus conferta</i> Shore Juniper	Y	5' to 9'	Slow	Very Dense	Spreading	Full sun	Moderate to dry	Salt tolerant
<i>Juniperus procumbens</i> Japanese Garden Juniper	Y	10' to 15'	Slow	Very Dense	Spreading	Full sun	Moderate to dry	Cultivars: "Greenmound" "Nana" "Variegata"
<i>Juniperus sabina</i> Savin Juniper	Y	5' to 9'	Slow	Very Dense	Spreading	Full sun	Moderate to dry	Cultivars: "Arcadia" "Broadmoor" "Skandia" "Tamariscifolia"
<i>Potentilla fruticosa</i> Bush Cinquefoil	N	2' to 5'	Slow	Moderate	Upright to Rounded	Full sun	Moderate	Cultivars: "Abbotswood" "Goldfinger" "Moonlight" "Primrose Beauty" "Red Ace" "Tangerine"
<i>Spirea x bumalda</i> "Anthony Waterer" Anthony Waterer Spirea	N	4' to 5'	Fast	Moderate	Rounded	Full sun	Moderate	Pink flowers June-August. Yellowish fall foliage.

Dwarf Shrubs (Under 3 Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Symphoricarpos x chenaultii</i> Chenault Coralberry	N	3' to 6'	Fast	Moderate	Rounded to Spreading	Partial shade to full sun	Moderate	Pinkish-white flowers June- July. Pink fruit.
<i>Taxus baccata</i> “ <i>Repandens</i> ” Dwarf English Yew	Y	10' to 12'	Slow	Very Dense	Spreading	Partial shade	Moderate	
<i>Tsuga canadensis</i> <i>dwarf cultivars</i> Dwarf Canada Hemlock	Y	5' to 8'	Slow	Dense	Spreading	Partial shade	Moderate	Cultivars: “Nana” “Brandley”
<i>Yucca filamentosa</i> Yucca or Adam’s Needle	Y	2' to 5'	Moderate	Open	Upright	Full sun	Moderate to dry	6’ high white flower stalks in summer. Foliage resembles that of Iris.

Ground Covers (Less Than 1½ Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Aegopodium podagraria</i> Bishop's Weed or Gout Weed	N	2' to 4'	Fast	Dense	Spreading	Full sun to full shade	Moderate to dry	Invasive, use on difficult sites where nothing else will grow.
<i>Ajuga</i> Bugleweed	Y	6'+	Moderate to Fast	Dense	Spreading	Full to partial shade	Moderate	Invasive
<i>Arundinaria variegata</i> Dwarf Whitestripe Bamboo or Gardener's Garters	N	3' to 6'	Fast	Dense	Upright to Spreading	Full sun to full shade	Moderate	
<i>Comptonia peregrina</i> Sweet Fern	N	4' to 8'	Slow to Moderate	Moderate	Spreading	Partial shade to full sun	Moderate	Prefers slightly acid soils. Small shrub to 3' tall.
<i>Convallaria majalis</i> Lily of the Valley	N	2' to 4'	Moderate	Moderate	Spreading	Full to partial shade	Wet to Moderate	All parts of this plant are poisonous.
<i>Cotoneaster dammeri</i> Bearberry Cotoneaster	N	4' to 6'	Fast	Moderate	Spreading	Full sun	Moderate	Small, pinkish white flowers. Red fruit.
<i>Epimedium</i> hybrids, cultivars and species Barrenwort	N	2' to 5'	Fast	Dense	Spreading	Full to partial shade	Moderate	
<i>Galium odoratum</i> Sweet Woodruff	N	3' to 5'	Fast	Dense	Spreading	Full shade	Moderate	

Ground Covers (Less Than 1½ Feet Tall)

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Hedera helix</i> “Thorndale” Baltic or Thorndale English Ivy	Y	3’ to 7’	Fast	Dense	Spreading	Partial shade to full shade	Moderate	
<i>Hosta spp and cultivars</i> Plantain Lily	N	1’ to 5’	Fast	Moderate	Spreading	Partial Shade	Moderate	
<i>Hypericum calycinum</i> Aaronsbeard St. John’s Wort	N	1’ to 4’	Slow to Moderate	Dense	Spreading	Partial shade to full sun	Moderate	Tolerates dry soils. Bright yellow flowers in summer.
<i>Juniperus horizontalis</i> Creeping Juniper	Y	4’ to 8’	Slow to Moderate	Very Dense	Spreading	Full sun	Moderate to Dry	Cultivars: “Bar Harbor” “Douglasii” “Emerald Spreader” “Hughes” “Prince of Wales”
<i>Liriope spicata</i> Creeping Lilyturf of Liriope	Y	1’ to 3’	Fast	Dense	Spreading	Full shade to full sun	Moderate	Purplish-white flowers.
<i>Pachysandra terminalis</i> Japanese Spurge	Y	1’ to 3’	Slow	Dense	Spreading	Full to partial shade	Moderate	White flowers in spring.
<i>Rosa Wichuraiana</i> Memorial Rose	N	3’ to 7’	Fast	Dense	Spreading	Full sun	Moderate	
<i>Vinca minor</i> Common Periwinkle	Y	1’ to 3’	Moderate to Fast	Dense	Spreading	Full to partial shade	Moderate	Subject to fungal diseases if air circulation is poor.

Vines and Climbers

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Actinidia arguta</i> Bower Actinidia	N		Fast	Moderate	Climbing Vine	Partial shade to full sun	Moderate	
<i>Akebia quintata</i> Fiveleaf Akebia	N		Fast	Dense	Climbing Vine	Partial shade to full sun	Moderate	
<i>Campsis radicans</i> Trumpet Creeper or Trumpetvine	N		Fast	Dense	Climbing Vine	Full sun	Moderate	Best for large scale situations where there is plenty of room for this plant to grow.
<i>Celastrus scandens</i> American Bittersweet	N		Fast	Dense	Climbing Vine	Full shade to full sun	Moderate	Best for large scale situations where there is plenty of room for this plant to grow.
<i>Clematis</i> Clematis	N		Fast	Moderate	Climbing Vine	Partial shade to full sun	Moderate	Scores of cultivars. Select only those that will survive in hardiness zone 5a.
<i>Hedera helix</i> English Ivy	Y		Fast	Dense	Climbing Vine	Full shade to full sun	Moderate	
<i>Hydrangea anomala</i> Climbing Hydrangea	N		Slow to Moderate	Moderate	Climbing Vine	Full shade to full sun	Moderate	White flowers in summer.
<i>Lonicera</i> Spp., hybrids and cultivars Vine Honeysuckle	N		Fast	Dense	Climbing Vine	Partial shade to full sun	Moderate	All Loniceras are very invasive.
<i>Parthenocissus quinquefolia</i> Virginia Creeper	N		Fast	Moderate	Climbing Vine	Full shade to full sun	Moderate	Best for large scale situations where there is plenty of room for this plant to grow.
<i>Parthenocissus tricuspidata</i> Boston Ivy	N		Fast	Moderate	Climbing Vine	Full shade to full sun	Moderate	Best for large scale situations where there is plenty of room for this plant to grow.

Vines and Climbers

Scientific Name Common Name	Evergreen?	Average Spread	Growth Rate	Density	Form	Sunlight Requirement	Soil Moisture Requirement	Comments
<i>Polygonum aubertii</i> China or silver Fleecevine	N		Fast	Dense	Climbing Vine	Full sun	Moderate to dry	
<i>Wisteria</i> Japanese or Chinese Wisteria	N		Fast	Dense	Climbing Vine	Full sun	Moderate	Best for large-scale situations where there is plenty of room for this plant to grow. Large clusters of lilac flowers.

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Plant Use Tables

The tables are arranged by plant size, (largest to smallest), and they indicate recommendations for the following uses:

- Screen – includes categories for screening plants up to 6’ in height and over 6’ in height.
- Parking Area – includes plant recommendations for both perimeter and interior parking area landscaping.
- Intersections – useful for choosing plants that will not interfere with traffic visibility at intersections.
- Under Utility Lines – denotes which plants are most appropriate for planting near overhead utility lines. Generally less than 25’ tall.
- Street Tree – denotes which trees are most appropriate for planting along street frontages.
- Shade Tree – includes those trees which will produce the most shade.
- Specimen Tree – Tree species with unique qualities that make them suitable for individual viewing.

Plant Uses in the Landscape

Large Trees (Over 40 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Acer platanoides</i> Norway Maple			4	4		4	4	4
<i>Acer rubrum</i> Red or Swamp Maple			4	4		4	4	4
<i>Acer saccharum</i> Sugar Maple			4			4	4	4
<i>Catalpa speciosa</i> Northern Catalpa							4	4
<i>Celtis occidentalis</i> Common Hackberry			4	4			4	4
<i>Celtis laevigata</i> Sugar Hackberry			4	4			4	4
<i>Cercidiphyllum</i> <i>japonicum</i> Katsura Tree			4	4			4	4
<i>Chamaecyparis pisifera</i> Sawara False Cypress		4						4
<i>Fagus</i> spp. Beech							4	4
<i>Fraxnus</i> spp. Ash			4	4		4	4	4
<i>Ginkgo biloba</i> Ginkgo or Maidenhair Tree			4	4		4	4	4
<i>Gleditsia triacanthos</i> Honeylocust			4	4		4	4	4

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Large Trees (Over 40 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Gymnocladus dioicus</i> Kentucky Coffeetree			4	4			4	4
<i>Larix</i> spp. Larch			4	4			4	4
<i>Liquidambar styraciflua</i> Sweet Gum							4	4
<i>Nyssa sylvatica</i> Sour Gum or Black Gum			4	4			4	4
<i>Picea abies</i> Norway Spruce		4						4
<i>Plantanus occidentalis</i> Planetree or Sycamore							4	4
<i>Pseudotsuga mensiezii</i> Douglas Fir		4						4
<i>Quercus</i> spp. Oak						4	4	4
<i>Taxodium distichum</i> Bald Cypress		4				4		4
<i>Tilia</i> spp. Linden			4	4		4	4	4
<i>Zelkova serrata</i> Japanese Zelkova			4	4		4	4	4

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Medium Trees (26 to 40 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Abies concolor</i> White Fir		4						4
<i>Acer campestre</i> Hedge Maple		4	4		4	4	4	4
<i>Aesculus x carnea</i> Red Horse Chestnut			4	4		4	4	4
<i>Aesculus glabra</i> Ohio Buckeye					4		4	4
<i>Aesculus hippocastanum</i> Common Horse chestnut			4	4		4	4	4
<i>Betula</i> Birch			4					4
<i>Carpinus betulus</i> European Hornbeam			4	4		4	4	4
<i>Carpinus caroliniana</i> American Hornbeam or Ironwood			4		4		4	4
<i>Chamaecyparis lawsoniana</i> Lawson False Cypress		4				4		4
<i>Chamaecyparis obtusa</i> Hinoko False Cypress		4						4
<i>Chionanthus virginicus</i> Fringetree			4		4		4	4
<i>Cladrastis lutea</i> Yellowwood			4				4	4

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Medium Trees (26 to 40 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Diospyros virginiana</i> Common Persimmon							4	4
<i>Koelreuteria paniculata</i> Golden Rain Tree			4		4		4	4
<i>Maackia amurensis</i> Amur Maackia			4			4	4	4
<i>Ostrya virginiana</i> Hop Hornbeam or Ironwood			4	4			4	4
<i>Phellodendron amurense</i> Amur Corktree			4		4		4	4
<i>Picea omorika</i> Serbian Spruce		4						4
<i>Picea Pungens</i> Colorado Spruce		4						4
<i>Pinus sylvestris</i> Scotch Pine		4						4
<i>Pyrus calleryana</i> Callery Pear			4	4		4	4	4
<i>Sophora japonica</i> Japanese Pagoda or Chinese Scholar Tree			4	4			4	4
<i>Tsuga canadensis</i> Canada Hemlock		4						4
<i>Ulmus parvifolia</i> Chinese Elm			4	4		4	4	4

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Small Trees (13 to 25 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Acer ginnala</i> Amur Maple			4	4	4			4
<i>Acer palmatum</i> Japanese Maple								4
<i>Acer tataricum</i> Tatarian Maple			4	4	4	4		4
<i>Alnus glutinosa</i> European or Black Alder			4	4			4	4
<i>Amenlanchier</i> Serviceberry, Juneberry or Shadblow			4					4
<i>Cercis canadensis</i> Eastern Redbud					4			4
<i>Cornus florida</i> Flowering Dogwood					4			4
<i>Cotinus coggygria</i> Smoke Tree					4			4
<i>Crataegus crus-galli</i> Cockspur Hawthorn		4			4			4
<i>Crataegus phaenopyrum</i> Washington Hawthorn			4		4			4
<i>Crataegus viridis</i> Green Hawthorn			4	4	4			4

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Small Trees (13 to 25 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Magnolia X loebneri</i> Lebner Magnolia								4
<i>Magnolia X soulangiana</i> Saucer Magnolia					4			4
<i>Magnolia stellata</i> Star Magnolia					4			4
<i>Malus cultivars</i> Crabapple					4			4
<i>Malus sargentii</i> Sargent Crabapple					4			4
<i>Prunus x blireiana</i> Purple-leaved Plum		4	4		4			
<i>Prunus serrulata</i> Japanese Flowering Cherry			4		4			4
<i>Syringa reticulata</i> Japanese Tree Lilac			4	4	4	4		4

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Large Shrubs (Over 13 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Hamamelis</i> Witchhazel		4	4		4			4
<i>Juniperus scopulorum</i> Rocky Mountain Juniper		4	4		4			
<i>Juniperus communis</i> Common Juniper		4	4	4	4			
<i>Lindera benzoin</i> Spicebush		4	4		4			
<i>Taxus cuspidata</i> Japanese Yew		4	4	4				
<i>Taxus x media</i> Anglo-Japanese Yew		4	4	4				
<i>Thuja occidentalis</i> American or Eastern Arborvitae, White Cedar		4	4					
<i>Viburnum lantana</i> Wayfaring Tree		4	4		4	4		
<i>Viburnum prunifolium</i> Black Haw		4	4		4	4		
<i>Viburnum sieboldii</i> Siebold Viburnum		4	4		4			

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Medium Shrubs (6 ½ to 12 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Acanthopanax siebolianus</i> Fiveleaf Aralia		4	4	4	4			
<i>Calycanthus floridus</i> Carolina allspice		4	4		4			4
<i>Cornus alba</i> Tatarian Dogwood		4	4		4			
<i>Cornus mas</i> Cornelian Cherry		4	4		4			4
<i>Cornus sericea</i> Red Osier Dogwood	4		4		4			
<i>Elaeagnus umbellata</i> Autumn Olive		4	4		4			
<i>Forsythia x intermedia</i> Border Forsythia	4		4		4			4
<i>Hamamelis vernalis</i> Vernal Witchhazel		4	4		4			4
<i>Hibiscus syriacus</i> Rose-of-Sharon		4	4		4			
<i>Hydrangea quercifolia</i> Oak Leaf Hydrangea	4		4		4			4
<i>Ilex verticillata</i> Winterberry		4	4	4	4			
<i>Kolkwitzia amabilis</i> Beautybush		4	4		4			4
<i>Philadelphus</i> Mockorange		4	4		4			4
<i>Prunus x cistena</i> Purpleleaf Sand Cherry		4	4	4	4			

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Medium Shrubs (6 ½ to 12 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Spirea prunifolia</i> Bridalwreath Spirea	4		4		4			4
<i>Syringa</i> Lilac		4	4		4			4
<i>Virburnum x burkwoodii</i> Burkwood Viburnum	4		4	4	4			4
<i>Viburnum dentatum</i> Arrowwood	4		4	4	4			
<i>Viburnum dilatatum</i> Linden Viburnum	4		4	4	4			
<i>Viburnum opulus</i> European Cranberrybush		4	4		4			
<i>Viburnum plicatum</i> Doublefile Viburnum		4	4		4			4
<i>Viburnum x rhytidophylloides</i> Lantanaphyllum Viburnum		4	4		4			
<i>Abelia x grandiflora</i> Glossy Abelia	4		4	4	4			4
<i>Prunus x cistena</i> Purpleleaf Sand Cherry			4		4			

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Small Shrubs (3 to 6 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Berberis thunbergii</i> Japanese Barberry	4		4	4	4			
<i>Buddleia davidii</i> Orange-Eye Butterfly Bush	4				4			4
<i>Chaenomeles speciosa</i> Flowering Quince	4		4	4	4			
<i>Deutzia gracilis</i> Slender Deutzia	4		4	4	4			4
<i>Euonymus alata</i> <i>compactus</i> Dwarf Burning Bush	4		4	4	4			
<i>Ilex x meserveae</i> Meserveae Holly	4		4	4	4			4
<i>Kerria japonica</i> Japanese Kerria	4		4	4	4			
<i>Ligustrum obtusifolium</i> Border privet	4		4	4	4			
<i>Ligustrum x vicaryi</i> Golden Privet	4		4		4			

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Small Shrubs (3 to 6 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Myrica pensylvanica</i> Bayberry	4		4	4	4			
<i>Picea glauca</i> “conica” Dwarf Alberta Spruce					4			4
<i>Pinus mugos</i> Mugho Pine	4		4	4	4			
<i>Prunus glandulosa</i> Dwarf Flowering Almond					4			
<i>Rhododendron PJM</i> <i>hybrids</i> PJM Rhododendrons			4		4			4
<i>Rhus aromatica</i> Gro-Lo Gro-Lo Fragrant Sumac	4		4		4			
<i>Syringa patula</i> Miss Kim Lilac	4		4		4			
<i>Taxus</i> Yews	4	4	4	4	4			
<i>Thuja occidentalis</i> “Woodwardi” Globe Arborvitae	4		4		4			
<i>Viburnum opulus</i> “Nanum” Dwarf Cranberrybush	4		4	4	4			
<i>Vites agnus-castus</i> Chaste Tree			4		4			4

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Dwarf Shrubs (1 ½ to 3 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Buxus microphylla</i> Littleleaf Boxwood	4		4	4	4			
<i>Chamaecyparis obtusa</i> Dwarf Cultivars	4		4	4	4			4
<i>Chamaecyparis pisifera</i> Dwarf cultivars	4		4	4	4			4
<i>Cotoneaster apiculatus</i> Cranberry Cotoneaster			4	4	4			
<i>Cotoneaster horizontalis</i> Rockspray Cotoneaster			4	4	4			
<i>Deutzia gracilis</i> Slender Deutzia	4		4	4	4			
<i>Fothergilla gardenii</i> Dwarf Fothergilla			4	4	4			4
<i>Hemerocallis cultivars</i> Daylily			4	4	4			
<i>Ilex glabra "compacta"</i> Compact Inkberry	4		4	4	4			
<i>Juniperus chinensis</i> Nick's Compact Juniper	4		4	4	4			
<i>Juniperus chinensis "San Jose"</i> San Jose Juniper			4	4	4			

Dwarf Shrubs (1 ½ to 3 Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Juniperus communis</i> Common Juniper			4	4	4			
<i>Juniperus conferta</i> Shore Juniper			4	4	4			
<i>Juniperus procumbens</i> Japanese Garden Juniper			4	4	4			
<i>Juniperus sabina</i> "Broadmoor" Savin Juniper	4		4	4	4			
<i>Polygonum cuspidatum</i> Low Japanese Fleece Flower					4			
<i>Potentilla fruticosa</i> Bush Cinquefoil	4		4	4	4			
<i>Rosa-floribundai</i> Floribunda Roses			4	4	4			
<i>Spirea x bumalda</i> "Anthony Waterer" Anthony Waterer Spirea			4	4	4			
<i>Symphoricarpos x chenaultii</i> Chenault Coralberry	4		4	4	4			
<i>Taxus baccata</i> Dwarf English Yew	4		4	4	4			4
<i>Tsuga canadensis</i> Dwarf Canada Hemlock	4		4	4	4			4
<i>Yucca filamentosa</i> Yucca or Adam's Needle			4	4	4			

WESTFIELD-WASHINGTON TOWNSHIP ZONING ORDINANCE

Ground Covers (Less than 1 ½ Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Aegopodium podagraria</i> Bishops weed or Gout weed			4	4	4			
<i>Ajuga</i> Carpet Bugle/Bugleweed			4	4	4			
<i>Arundinaria variegata</i> Dwarf Whitestripe Bamboo			4		4			
<i>Comptonia peregrina</i> Sweet Fern			4		4			
<i>Convallaria majalis</i> Lily of the Valley			4		4			
<i>Cotoneaster dammeri</i> Bearberry cotoneaster			4	4	4			
<i>Epimedium</i> \ Barrenwort			4		4			
<i>Galium odoratum</i> Sweet Woodruff			4		4			
<i>Hedera helix</i> "Thorndale" Baltic or Thorndale English Ivy			4	4	4			
<i>Hostas</i> Plantain Lily			4		4			
<i>Hypericum calycinum</i> Aaronsbeard St. John's Wort			4	4	4			

Ground Covers (Less than 1 ½ Feet Tall)

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Juniperus horizontalis</i> Blue Rug Juniper			4	4	4			
<i>Liriope spicata</i> Creeping Lilyturf or Liriope			4	4	4			
<i>Pachysandra terminalis</i> Japanese Spurge			4		4			
<i>Rosa Wichuraiana</i> Memorial Rose			4	4	4			
<i>Vinca minor</i> Common Periwinkle			4		4			

Vines and Climbers

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Actinidia arguta</i> Bower Actinidia		4						
<i>Akebia quintata</i> Fiveleaf Akebia		4						
<i>Campsis radicans</i> Trumpet Creeper or Trumpetvine		4						
<i>Celastrus scandens</i> American Bittersweet		4						
<i>Clematis</i> Clematis		4						
<i>Hedera helix</i> English Ivy		4						
<i>Hydrangea anomala</i> Climbing Hydrangea		4						
<i>Lonicera</i> Vine Honeysuckle		4						
<i>Parthenocissus quinquefolia</i> Virginia Creeper		4						
<i>Parthenocissus tricuspidata</i> Boston Ivy		4						

Vines and Climbers

Scientific Name Common Name	Screen (3' to 6' high)	Screen (>6' high)	Parking Area (perimeter)	Parking Area (interior)	Under Utility Lines	Street Tree	Shade Tree	Specimen
<i>Polygonum aubertii</i> China or Silver Fleecevine		4						
<i>Rosa wichuraiana</i> Memorial Rose		4						
<i>Wisteria</i> Japanese or Chinese Wisteria		4						